

Tactical All Terrain Vehicle (TATV)

Purpose: Provide Marine reconnaissance units enhanced mobility for specific reconnaissance, surveillance, and target acquisition missions.

Background: Based on experiences garnered during Operation Enduring Freedom in Afghanistan Marine operating forces have expressed the need for a more suitable light mobile reconnaissance platform to support wide area and high tempo combat operations. Currently, reconnaissance units are limited in their ability to conduct distant and deep mobile reconnaissance to interim fast attack vehicles (IFAV) and motorcycles.



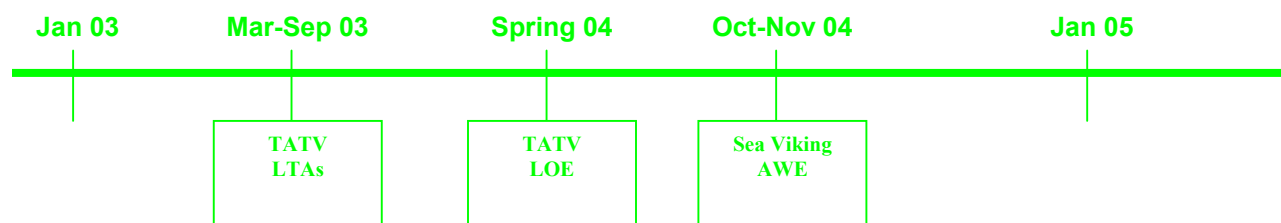
Employment of IFAVs is limited to the CH-53 helicopter and motorcycles have several limitations to the ability to provide stealthy over-watch and security. Motorcycles cannot be ridden with gear due to the lack of balance of the rider. At night a motorcyclist is only concerned with riding the motorcycle to avoid crashing. A light mobile reconnaissance asset that is small enough for employment by the CH-46 or MV-22 yet able to carry gear would provide a significantly enhanced capability. Additionally, a smaller, stable vehicle would enable effective night operations. If a more flexible, light mobile reconnaissance platform were available, Reconnaissance units would be better able to survey, identify, report, and collect information by rapidly covering a large geographic area. This platform could be used along with the IFAV or independently, based on the mission required.

Description: The Lab will assess the TATV against the below criteria:

- Internally transportable in existing rotary wing assault support aircraft.
- Provide for stable operation while carrying a Marine and all his individual equipment.
- Carry sufficient sustainment to support 7-day operations.
- All wheel drive, all terrain capable with a 600 lbs capacity excluding driver.
- Run on flat tires, towable, and safe to operate at night with Night Vision Goggles.

Deliverable Product(s): Prototype vehicles, universal needs statement, assessment report and requirement documentation.

Milestones:



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